

Form PTO-1449  
(REV. 8-83)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney Docket  
2003946-0091  
(IKKI/US)In re Application No.  
Not Yet Assigned

10/500840

INFORMATION  
DISCLOSURE STATEMENT  
(Use several sheets if necessary)Applicant:  
Daun, et alFiling Date:  
July 7, 2004Group:  
NYA

## U.S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
NK	† 5,486,525	Summers, et al.	January 23, 1996	514	303
NK	† 5,506,238	Miyake, et al.	April 9, 1996	514	303
NK	† 5,654,305	Shepard, et al.	August 5, 1997	514	253
NK	† 6,143,743	Wilde, et al	November 7, 2000	514	44
NK	† 6,410,516 B1	Baltimore, et al.	June 25, 2002	514	234.2

## U.S. PATENT APPLICATIONS

Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:

## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document No.	Country	International Publication Date	Translation	
				Yes	No
NK	EP 0 399 731 B2	EP	July 11, 2001		
	EP 0 945 422 A1	EP	September 29, 1999		
	EP 0 945 443 A1	EP	September 29, 1999		
	EP 1 256 582 A1	EP	November 13, 2002		
	WO 99/01454	PCT	January 14, 1999		
	WO 99/65909	PCT	December 23, 1999		
	WO 00 76505 A1	PCT	December 21, 2000		
	WO 01/00610 A1	PCT	January 4, 2001		X
	WO 01/30774 A1	PCT	May 3, 2001		X
NK	WO 01/30778 A1	PCT	May 3, 2001		

† Copies of references not included – requirement waived pursuant to USPTO OG Notice of 8/5/03

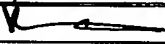
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1 of 2

Attorney Docket No. 2003946-0091  
Client Reference No.: IKKI/US  
Customer No. 24280



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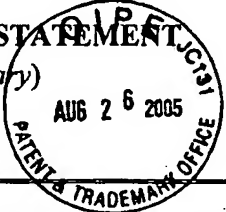
<b>Form PTO-1449</b> <b>(REV. 8-83)</b>		<b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>		<b>Attorney Docket</b> 2003946-0091 (IKKI/US)		<b>In re Application No.</b> Not Yet Assigned <b>10/500840</b>	
<b>INFORMATION</b> <b>DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>				<b>Applicant:</b> Daun, <i>et al</i>			
				<b>Filing Date:</b> July 7, 2004		<b>Group:</b> NYA	
<b>OTHER DOCUMENTS</b>							
<b>Examiner's Initials</b>		<b>Citation (Including Author, Title, Date, Pertinent Pages, Etc.)</b>					
NK		Copy of International Search Report for PCT/US03/00366					
<b>EXAMINER</b> 				<b>DATE CONSIDERED</b> 08-13-07			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

† Copies of references not included – requirement waived pursuant to USPTO OG Notice of 8/5/03

<b>Form PTO-1449</b> (REV. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket: 2003946-0091 (IKKI/US)		In re Application No. 10/500,840	
<b>SUPPLEMENTAL          INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				Applicant: Daun, et al.			
				Filing Date: July 7, 2004		Group: 1614	
<b>U.S. PATENT DOCUMENTS</b>							
Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass		
<b>U.S. PATENT APPLICATIONS</b>							
Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:		
<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner's Initials		Document No.	Country	Date	Translation		
					Yes	No	
2	1.	EP0434405	Europe	June 26, 1991			
2	2.	† WO 01/58900	PCT	August 16, 2001		X	
<b>OTHER DOCUMENTS</b>							
Examiner's Initials	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)						
2	3.	Abrahamsen, et al., "Cytokines and Bone Loss in a 5-Year Longitudinal Study—Hormone Replacement Therapy Suppresses Serum Soluble Interleukin-6 Receptor and Increases Interleukin-1-Receptor Antagonist: The Danish Osteoporosis Prevention Study" <i>Journal of Bone and Mineral Research</i> 15 (8): 1545-1554, 2000.					
2	4.	Azuma, et al., "Tumor Necrosis Factor- $\alpha$ Induces Differentiation of and Bone Resorption by Osteoclasts" <i>Journal of Biological Chemistry</i> 275(7): 4858-4864, 2000.					
2	5.	Cain, et al., "p-38 MAPK Inhibition Decreases TNF- $\alpha$ Production and Enhances Postischemic Human Myocardial Function" <i>Journal of Surgical Research</i> 83 (1): 7-12, 1999.					
2	6.	Koyano, et al., "Effects of FR167653 on Ischemia-reperfusion Injury: Evaluation Through Preservation and Transplantation in Canine Hearts" <i>J. Heart Lung Transplant</i> 17 (12): 1247-54, 1998.					
2	7.	Souza, et al., "Effects of Inhibition of PDE4 and TNF- $\alpha$ On Local And Remote Injuries Following Ischaemia And Reperfusion Injury" <i>British Journal of Pharmacology</i> 134 (5): 985-994, 2001.					

<b>Form PTO-1449</b> <b>(REV. 8-83)</b> <b>SUPPLEMENTAL</b> <b>INFORMATION DISCLOSURE STATEMENT</b> <i>(Use several sheets if necessary)</i>		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket: 2003946-0091 (IKKI/US)	In re Application No. 10/500,840
		Applicant: Daun, et al.		
		Filing Date: July 7, 2004		Group: 1614
	8.	Copy of International Search Report for Related International Application No: PCT/US2004/000293.		
	28-13-07			
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>		
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† Cumulative with EP1256582 cited in a previous IDS.

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Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass

U.S. PATENT APPLICATIONS					
Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
OK	EP0434405	Europe	December, 19, 1990		
e	WO 01/30778	International	May, 3, 2001		
e	†WO 01/58900	International	August 16, 2001		

OTHER DOCUMENTS	
Examiner's Initials	Citation (Including Author, Title, Date, Pertinent Pages, Etc.)
OK	Abrahamsen, et al., "Cytokines and Bone Loss in a 5-Year Longitudinal Study—Hormone Replacement Therapy Suppresses Serum Soluble Interlukin-6 Receptor and Increases Interlukin-1-Receptor Antagonist: The Danish Osteoporosis Prevention Study" <i>Journal of Bone and Mineral Research</i> 15: 1545-1554, 2000.
	Azuma, et al., "Tumor Necrosis Factor- $\alpha$ Induces Differentiation of and Bone Resorption by Osteoclasts" <i>Journal of Biological Chemistry</i> 275(7): 4858-4864, 2000.
	Cain, et al., "p-38 MAPK Inhibition Decreases TNF- $\alpha$ Production and Enhances Postischemic Human Myocardial Function" <i>Journal of Surgical Research</i> 83: 7-12, 1999.
	Koyano, et al., "Effects of FR167653 on Ischemia-reperfusion Injury: Evaluation Through Preservation and Transplantation in Canine Hearts" <i>J. Heart Lung Transplant</i> 17: 1247-54, 1998.
OK	Souza, et al., "Effects of Inhibition of PDE4 and TNF- $\alpha$ On Local And Remote Injuries Following Ischaemia And Reperfusion Injury" <i>British Journal of Pharmacology</i> 134: 985-994, 2001.

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	Applicant: Daun, et al.			
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2h	Copy of International Search Report for Related International Application No: PCT/US2004/000293.			
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **B1** of **B1**

## **Complete if Known**

Application Number	10/500,840
Filing Date	01/21/2005
First Named Inventor	Jane Duan
Group Art Unit	1625
Examiner Name	Amelia A. Owens
Attorney Docket Number	9626-9

## **U.S. PATENTS AND PATENT PUBLICATIONS**

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> <b>PIPE 4</b>  <b>JUL 24 2007</b> </div>		US-4,891,374		Thorwart et al.	01/02/1990
		US-5,342,832		Siren	08/30/1994
	3.	US-5,360,794		Arora	11/01/1994
	4.	US-5,492,915		Dereu et al.	02/20/1996
	5.	US-5,565,452		Arndts et al.	10/15/1996
	6.	US-5,632,991		Gimbrone, Jr.	05/27/1997
	7.	US-5,656,654		Buzzetti et al.	08/12/1997
	8.	US-5,880,141		Tang et al.	03/09/1999
	9.	US-5,981,536		Mullner et al.	11/09/1999
	10.	US-6,521,654	B2	Wehner et al.	02/18/2003
	11.	US-6,599,741	B1	Hecker et al.	07/29/2003
	12.	US-6,831,065	B2	May et al.	12/14/2004
	13.	US-RE39,464	E	Cook et al.	01/09/2007

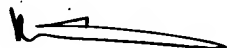
## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
		Office	Number	Kind Code (if known)			

## **OTHER NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
25	14.	Yusuf-Makagiansar et al. "Inhibition of LFA-1/ICAM-1 and VLA-4/VCAM-1 as a Therapeutic Approach to Inflammation and Autoimmune Diseases", <i>Med. Res. Rev.</i> 22(2):146-167 (2002)	
16	15.	Norton et al. "Expression of adhesion molecules in human intestinal graft-versus-host disease", <i>Clin. Exp. Immunol.</i> 87:231-236 (1992)	
16	16.	Brodt et al. "Liver Endothelial E-Selectin Mediates Carcinoma Cell Adhesion and Promotes Liver Metastasis", <i>Int. J. Cancer</i> 71:612-619 (1997)	
16	17.	Finzel et al. "ICAM-1 supports adhesion of human small-cell lung carcinoma to endothelial cells", <i>Clin. and Exp. Metastasis</i> 21:185-189 (2004)	
16	18.	Rosette et al. "Role of ICAM1 in invasion of human breast cancer cells", <i>Carcinogenesis</i> 26(5):943-950 (2005)	
16	19.	Tak et al. "NF-κB: a key role in inflammatory diseases", <i>J. Clin. Investigation</i> 107(1):7-11 (2001)	

Examiner Signature



Date Considered

08-13-07

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